

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: DAVID LIN et al.)
 Filed: Herewith)
 For: METHOD FOR PROCESSING A FILM)
 Examiner: MAYES, M)
 Group Unit: 1734)

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
 Washington, D.C. 20231

Dear Sir:

Prior to the examination on merits, please amend the above-identified application as follows:

IN THE SPECIFICATION:

On page 1, after line 3, please add the following paragraph:

--This application is a continuation application of, and claims the priority benefit of, U.S. application serial No. 09/342,416 filed on June 29, 1999.--

IN THE CLAIMS:

Please cancel claims 1-6 and 15-17 without prejudice and disclaimer.

Please amend claims 7-10, 12-14, 18-20 and 23-24 as follows:

7. (Once Amended) A method for processing a film, comprising:

providing a film;

providing a buffer layer between the film and a transfer; and

performing an impression step to form a plurality of protuberant structures on the film, wherein the impression step is performed by a squeezer including an impresser and the transfer, the impresser having a plurality of grain projections formed thereon in a predetermined pattern for impressing the film placed between the impresser and the transfer so as to form protuberant structures on the film in an area corresponding to the predetermined pattern.

8. (Once Amended) The method according to claim 7, wherein the film is made of a material chosen from the group consisting of metal, plastic, alloy, and complex film, wherein the complex film is composed of one of followings including metal, metal coupled with plastic, and metal coupled with paper.

9. (Once Amended) The method according to claim 7, wherein a material of the buffer layer is chosen from the group consisting of paper, plastic, releasing paper, releasing film, adhesive coupled with paper, and adhesive coupled with releasing film.

10. (Once Amended) The method according to claim 7, after the impressing step is performed, further including the step of placing a protection layer on the top of film, wherein the protection layer is made of organic material, inorganic material, or metal.

12. (Once Amended) The method according to claim 7, wherein the grain projections are composed of diamond particles or Borazon particles.

13. (Once Amended) A method for processing a film, comprising:
providing a film; and

selecting a region of the film and performing an impression step to form a plurality of protuberant structures on the region of the film, wherein the impressing step is performed by a squeezer including an impresser, a transfer and a template, the impresser having a plurality of grain projections formed thereon, the template being placed between the impresser and the transfer and having a pattern corresponding to the region of the film for forming the protuberant structures on the region of the film by impression.

14. (Once Amended) The method according to claim 13, wherein the grain projections are formed on the impresser and in a location corresponding to the region of the film, such that after impression the protuberant structures are formed in the region of the film by the impresser and the transfer, which has a flat surface.

18. (Once Amended) The method according to claim 13, wherein the template includes a negative template or a positive template.

19. (Once Amended) The method according to claim 13, wherein the grain projections are composed of diamond particles or Borazon particles.

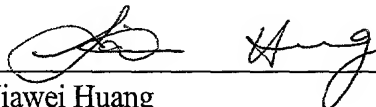
20. (Once Amended) The method according to claim 13, wherein the film is made of a material chosen from the group consisting of metal, plastic, alloy, and complex film, wherein the complex film is composed of one of followings including metal, metal coupled with plastic, and metal coupled with paper.

23. (Once Amended) The method according to claim 22, wherein the buffer layer is made of a material chosen from the group consisting of paper, plastic, releasing paper, releasing film, adhesive coupled with paper, and adhesive coupled with releasing film.

24. (Once Amended) The method according to claim 13, further including the step of placing a protection layer on the top of film, wherein the protection layer is made of organic material, inorganic material, or metal.

Respectfully submitted,

Dated: 2/25/2002

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Claims 1-6 and 15-17 have been canceled.

Claims 7-10, 12-14, 18-20, and 23-24 have been amended as follows:

7. (Once Amended) A method for processing a film, comprising:

providing a film;

providing a buffer layer between the film and a transfer; and

performing an impression step to form a plurality of protuberant structures on the film,

wherein the impression step is performed by a squeezer including an impresser and [a]the transfer, the impresser having a plurality of grain projections formed thereon in a predetermined pattern for impressing the film placed between the impresser and the transfer, so as to form protuberant structures on the film in an area corresponding to the predetermined pattern.

8. (Once Amended) The method according to claim 7, wherein the film is made of a material chosen from the group [composed]consisting of metal, plastic, alloy, and complex film, wherein the complex film is composed of one of followings including metal, metal coupled with plastic, and metal coupled with paper[and the like].

9. (Once Amended) The method according to claim 7, wherein a material of the buffer layer is [made of a material] chosen from the group consisting of [including] paper, plastic, releasing paper, releasing film, adhesive coupled with paper, and adhesive coupled with releasing film[and the like].

10. (Once Amended) The method according to claim 7, after the impressing step is performed, further including the step of placing a protection layer on the top of film, wherein the protection layer is made of organic material, inorganic material, or metal[or the like].

12. (Once Amended) The method according to claim 7, wherein the grain projections are composed of [one of following material including] diamond particles[, or Borazon particles] and the like].

13. (Once Amended) A method for processing a film, comprising:
providing a film; and

selecting a region of the film and performing an impression step to form a plurality of protuberant structures on [a]the region of the film, wherein the impressing step is performed by a squeezer including an impresser, [and] a transfer and a template, the impresser having a plurality of grain projections formed thereon, [for impressing the film] the template being placed between the impresser and the transfer and having a pattern corresponding to the region of the film for forming the protuberant structures on the region of the film by impression.

14. (Once Amended) The method according to claim 13, wherein the grain projections are formed on the impresser and in a location corresponding to [a]the region of the film, such that after impression the protuberant structures are formed in the region of the film by the impresser and the transfer, which has a flat surface.

18. (Once Amended) The method according to claim [17] 13, wherein the template includes a negative template or a positive template.

19. (Once Amended) The method according to claim 13, wherein the grain projections are composed of [one of following material including]diamond particles[, or Borazon particles]and the like].

20. (Once Amended) The method according to claim 13, wherein the film is made of a material chosen from the group [composed]consisting of metal, plastic, alloy, and complex film, wherein the complex film is composed of one of followings including metal, metal coupled with plastic, and metal coupled with paper[and the like].

